

AMENDMENT TO THE CLAIMS:

1. (Currently Amended) An organic EL pixel circuit for controlling application of a drive voltage to a plurality of organic EL pixels, wherein a discharge transistor is provided for discharging charges accumulated in a capacitor of an organic EL element, and

a driving transistor is provided between the organic EL element and a power source for controlling driving current to the organic EL element, and one end of the discharge transistor is connected between the driving transistor and the organic EL element; and

the discharge transistor discharges charges that are accumulated on a node between the organic EL element and the driving transistor if the discharge transistor is turned on.

2. (Currently Amended) An organic EL pixel circuit for controlling application of a drive voltage to a plurality of organic EL pixels, wherein a discharge transistor is provided for discharging charges accumulated in a capacitor of an organic EL element, and

a driving transistor is provided between the organic EL element and a power source for controlling driving current to the organic EL element, and one end of the discharge transistor is connected between the driving transistor and the organic EL element.

~~An organic EL pixel circuit according to claim 1, wherein~~

said organic EL pixels are arranged in a matrix and the pixels in a row direction are selected by a first gate line, and

said discharge transistor is driven by a second gate line which is selected at a timing prior to the selection of the first gate line at the row of the EL element to which said discharge transistor is connected, to discharge the charges accumulated in the capacitor of the organic EL element.

3. (Currently Amended) An organic EL pixel circuit for controlling application of a drive voltage to a plurality of organic EL pixels, wherein a discharge transistor is provided for discharging charges accumulated in a capacitor of an organic EL element, wherein

said organic EL pixels are arranged in a matrix and the pixels in a row direction are selected by a same gate line, and

said discharge transistor is driven by a dedicated discharge line which is activated at a timing prior to the selection of the gate line at the row of the EL element to which said discharge transistor is connected, to discharge the charges accumulated in the capacitor of the organic EL element, and

the discharge transistor discharges charges that are accumulated on a node between the organic EL element and a driving transistor if the discharge transistor is turned on.

4. (Currently Amended) An organic EL pixel circuit for controlling application of a drive voltage to a plurality of organic EL pixels, wherein a discharge transistor is provided for discharging charges accumulated in a capacitor of an organic EL element, and

a driving transistor is provided between the organic EL element and a power source for controlling driving current to the organic EL element, and one end of the discharge transistor is connected between the driving transistor and the organic EL element. An organic EL pixel circuit according to claim 1, wherein

said organic EL pixels are arranged in a matrix and each of the pixels emits light of a color which is predetermined for each pixel, and

a discharge transistor for a pixel which emits light of a color with a low emission efficiency is provided within a pixel which emits light of a color with a higher emission efficiency.

5. (Currently Amended) An organic EL pixel circuit for controlling application of a drive voltage to a plurality of organic EL pixels, wherein a discharge transistor is provided for discharging charges accumulated in a capacitor of an organic EL element, wherein

each of said pixels includes a storage capacitor for holding a control voltage to be applied to a drive transistor which controls application of a drive current to the organic EL element, and

each of said pixels further includes a control transistor for controlling the control voltage held in the storage capacitor to turn the drive transistor off, and

the discharge transistor discharges charges that are accumulated on a node between the organic EL element and the driving transistor if the discharge transistor is turned on.

6. (Currently Amended) An organic EL pixel circuit for controlling application of a drive voltage to a plurality of organic EL pixels, wherein a discharge transistor is provided for discharging charges accumulated in a capacitor of an organic EL element, wherein

each of said pixels includes a storage capacitor for holding a control voltage to be applied to a drive transistor which controls application of a drive current to the organic EL element, and

~~each of said pixels further includes a control transistor for controlling the control voltage held in the storage capacitor to turn the drive transistor off~~An organic EL pixel circuit according to claim 5, wherein

said control transistor is driven simultaneously with said discharge transistor to turn the drive transistor off at the time of driving said discharge transistor.

7. (Currently Amended) An organic EL pixel circuit for controlling application of a drive voltage to a plurality of organic EL pixels, wherein a discharge transistor is provided for discharging charges accumulated in a capacitor of an organic EL element, wherein

each of said pixels includes a storage capacitor for holding a control voltage to be applied to a drive transistor which controls application of a drive current to the organic EL element, and

~~each of said pixels further includes a control transistor for controlling the control voltage held in the storage capacitor to turn the drive transistor off~~An organic EL pixel circuit according to claim 5, wherein

said control transistor is driven prior to said discharge transistor to turn the drive transistor off prior to driving of said discharge transistor.

8. (Currently Amended) An organic EL pixel circuit for controlling application of a drive voltage to a plurality of organic EL pixels, wherein a discharge transistor is provided for discharging charges accumulated in a capacitor of an organic EL element, wherein

each of said pixels includes a storage capacitor for holding a control voltage to be applied to a drive transistor which controls application of a drive current to the organic EL element, and

~~each of said pixels further includes a control transistor for controlling the control voltage held in the storage capacitor to turn the drive transistor off~~An organic EL pixel circuit according to claim 5, wherein

said organic EL pixels are arranged in a matrix and each of the pixels emits light of a color which is predetermined for each pixel, and

a control transistor for a pixel which emits light of a color with a lower emission efficiency is provided within a pixel which emits light of a color with a higher emission efficiency.

9. (Currently Amended) An organic EL pixel circuit for controlling application of a drive voltage to a plurality of organic EL pixels, wherein a discharge transistor is provided for discharging charges accumulated in a capacitor of an organic EL element, and a driving transistor is provided between the organic EL element and a power source for controlling driving current to the organic EL element, and one end of the discharge transistor is connected between the driving transistor and the organic EL element An organic EL pixel circuit according to claim 4, further comprising a plurality of discharge transistors in the organic EL pixels located at rows selected by a first gate line are driven by a second gate line which is selected before the selection of the first gate line.

10. (Currently Amended) An organic EL pixel comprising:
an EL element;
a driving transistor for controlling driving current to be supplied to the EL element;
a selecting transistor for controlling the driving transistor; and
a discharge transistor provided independently of the driving transistor and the selecting transistor for discharging charges accumulated in a parasitic capacitor of the EL element; and

the discharge transistor discharges charges that are accumulated on a node between the EL element and the driving transistor if the discharge transistor is turned on.

11. (Previously Presented) An organic EL pixel circuit according to claim 10, wherein

the discharge transistor is connected to a node connecting the driving transistor and the EL element.

12. (Previously Presented) An organic EL pixel circuit according to claim 11, wherein

the discharge transistor is turned on when the selecting transistor is turned off.